

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041942.D
 Acq On : 12 Jan 2021 00:12
 Operator : SY/MD
 Sample : M1026-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM1

Quant Time: Jan 12 05:51:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.26	114	110608	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105782	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44538	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	43526	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	66650	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.65	46	142505	55.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.00%
24) Chloroform-d	5.08	84	81547	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	48083	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	159802	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	54145	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.90	98	133879	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.19	79	20837	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.64	63	119056	57.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47225	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	49347	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	925	0.079 ug/L	96
8) Chloroethane	1.95	64	527	0.068 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	609	0.069 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	837	0.097 ug/L #	1
16) Methylene chloride	3.06	84	2275	0.210 ug/L	89
22) cis-1,2-Dichloroethene	4.69	96	1291	0.144 ug/L	98
25) Chloroform	5.11	83	2321	0.142 ug/L	89
29) 1,1,1-Trichloroethane	5.34	97	2377	0.172 ug/L	96
34) Trichloroethene	6.55	95	48833	5.457 ug/L	97
35) Methylcyclohexane	6.70	83	12772	0.971 ug/L #	23
37) 1,2-Dichloropropane	6.70	63	5852	0.688 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1181	0.094 ug/L #	34
44) trans-1,3-Dichloropropene	8.19	75	798	0.072 ug/L #	67
47) Tetrachloroethene	8.56	164	30607	4.915 ug/L	98
48) 2-Hexanone	8.64	43	13068	3.284 ug/L #	70
49) Dibromochloromethane	8.56	129	30462	3.840 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	4814	0.775 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

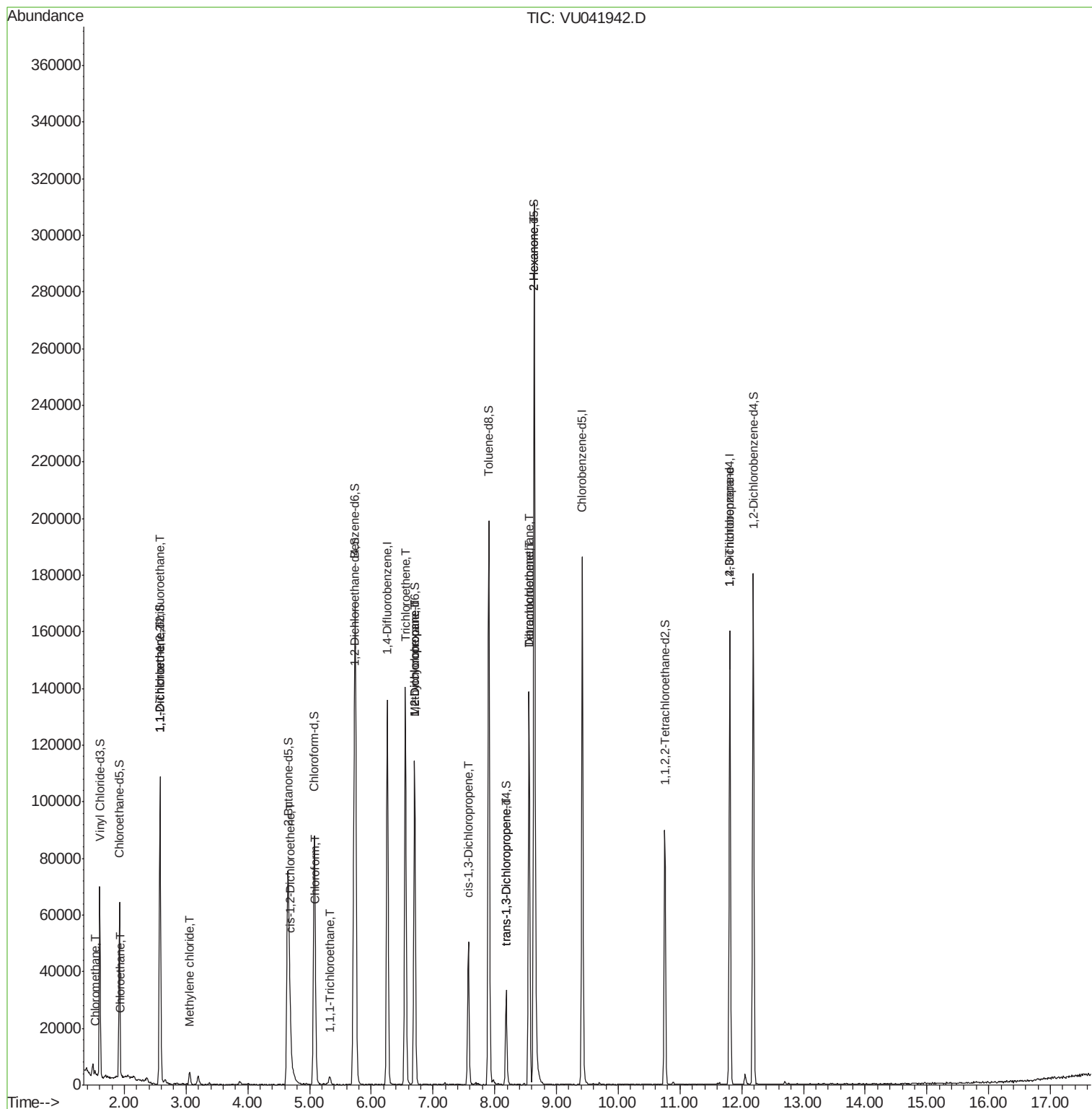
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
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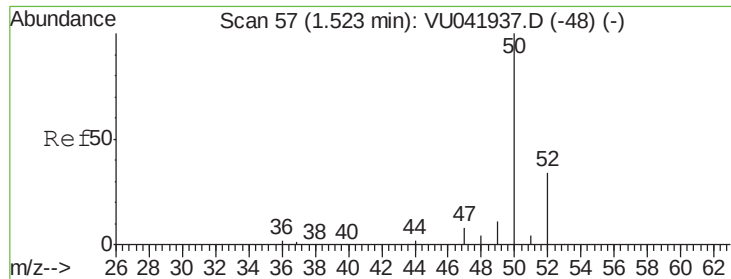
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.079 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

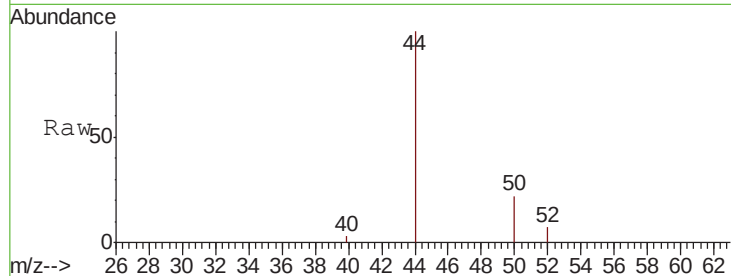
BFXM1

Tot Ion: 50 Resp: 925

Ion Ratio Lower Upper

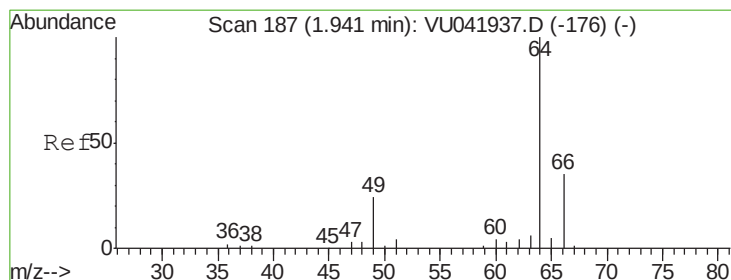
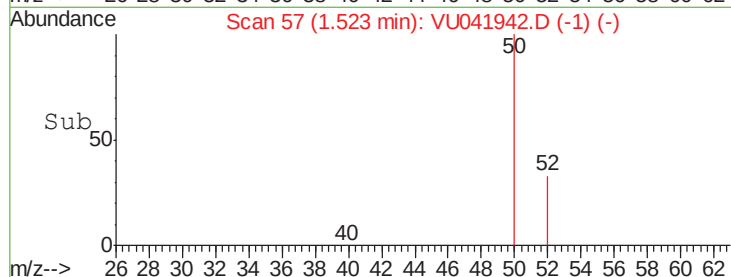
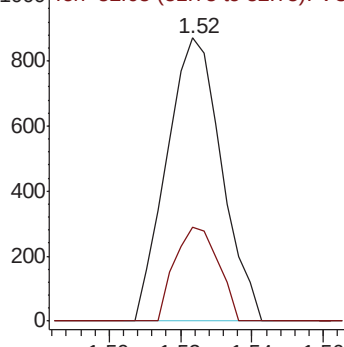
50 100

52 33.0 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.068 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU041942.D

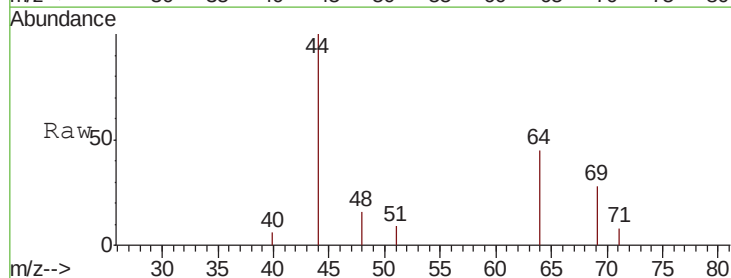
Acq: 12 Jan 2021 00:12

Tgt Ion: 64 Resp: 527

Ion Ratio Lower Upper

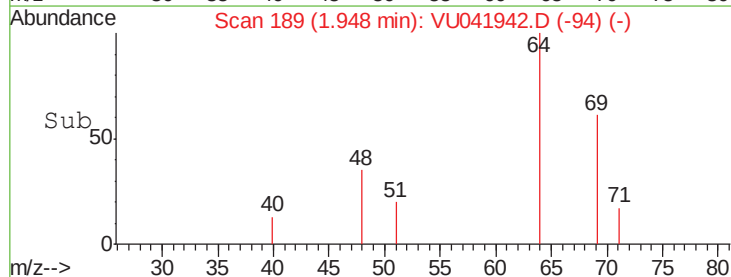
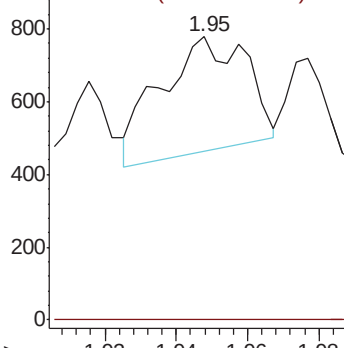
64 100

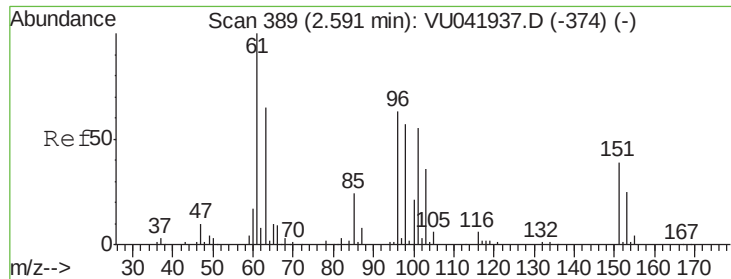
66 0.0 22.1 41.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.069 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

BFXM1

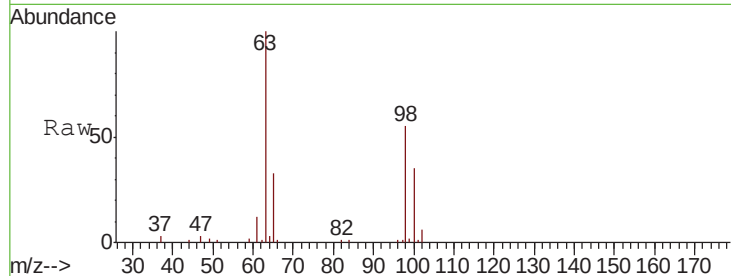
Tot Ion:101 Resp: 609

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 58.2 87.2#

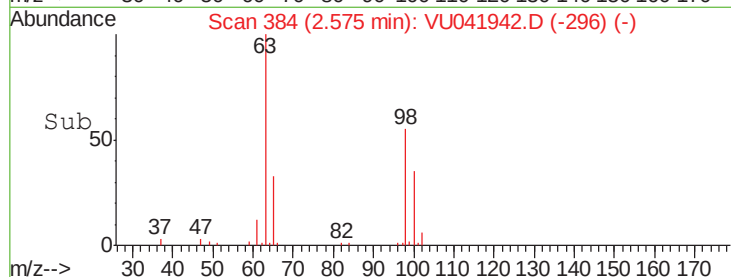


Abundance Ion 101.00 (100.70 to 101.70): V

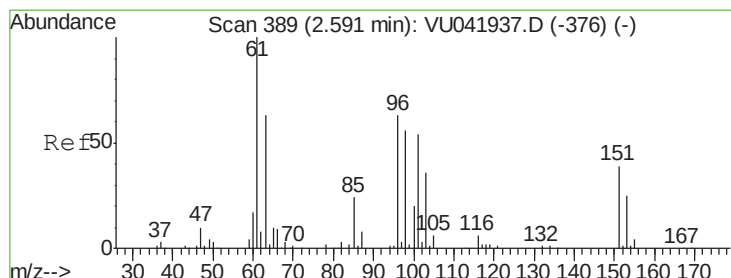
Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57



Time-->



#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

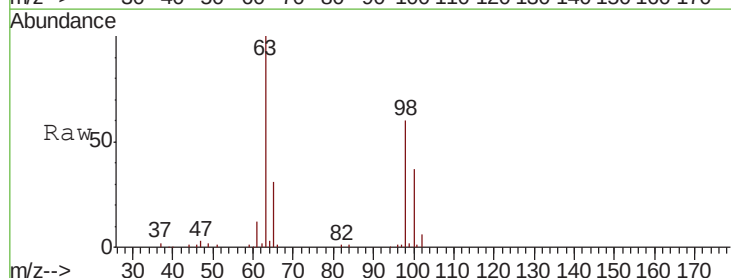
Tgt Ion: 96 Resp: 837

Ion Ratio Lower Upper

96 100

61 974.2 123.5 229.4#

63 7795.3 93.5 173.7#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

50000

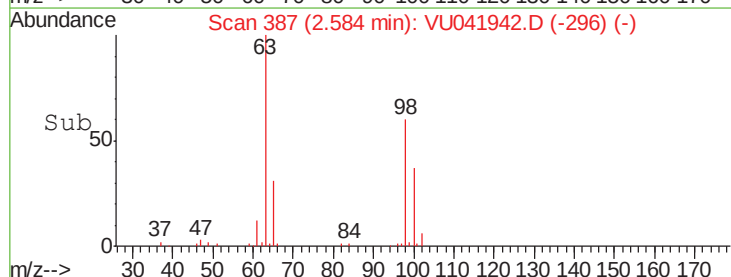
40000

30000

20000

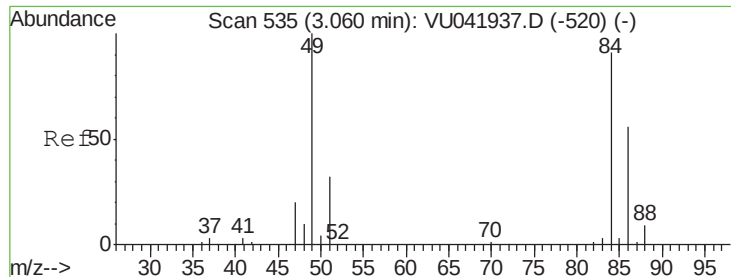
10000

0



Time-->

2.58



#16

Methylene chloride

Concen: 0.210 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

BFXM1

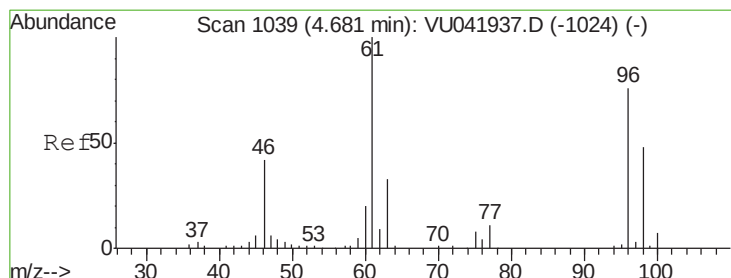
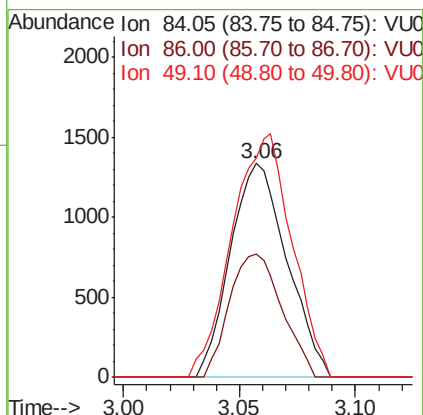
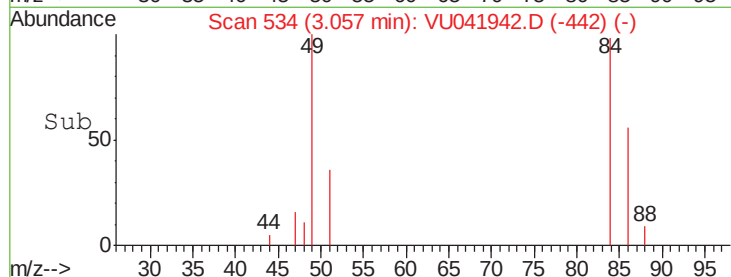
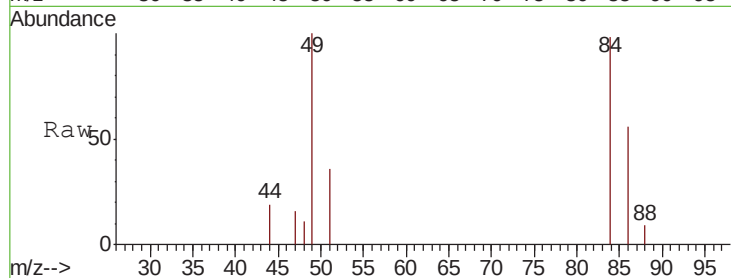
Tot Ion: 84 Resp: 2275

Ion Ratio Lower Upper

84 100

86 57.3 43.5 80.7

49 102.2 81.8 151.8



#22

cis-1,2-Dichloroethene

Concen: 0.144 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

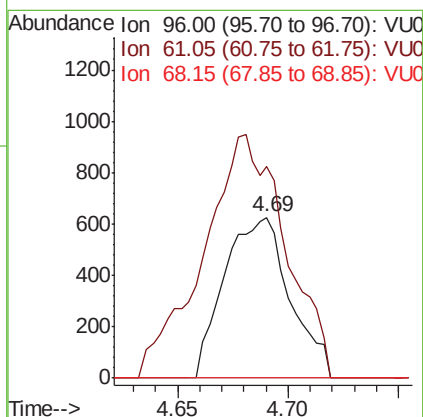
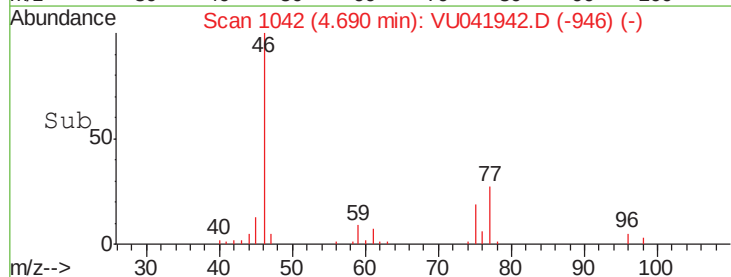
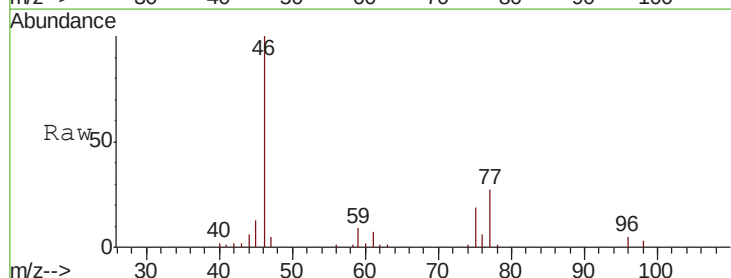
Tgt Ion: 96 Resp: 1291

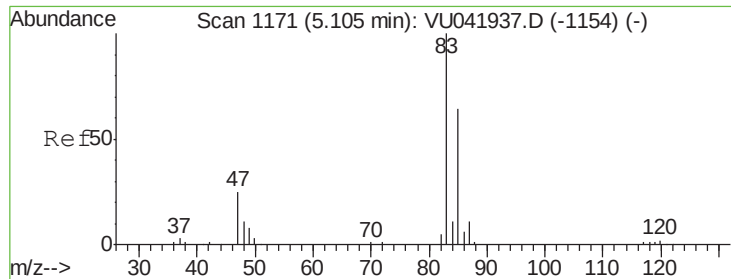
Ion Ratio Lower Upper

96 100

61 131.7 90.3 167.7

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.142 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

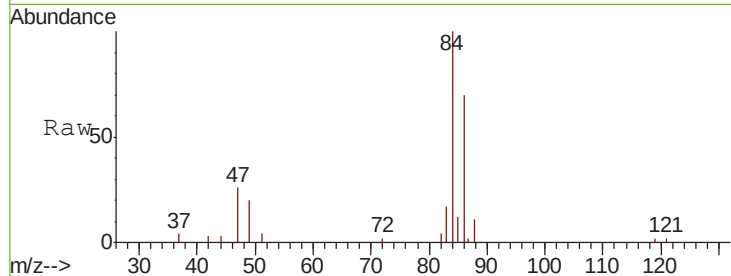
BFXM1

Tot Ion: 83 Resp: 2321

Ion Ratio Lower Upper

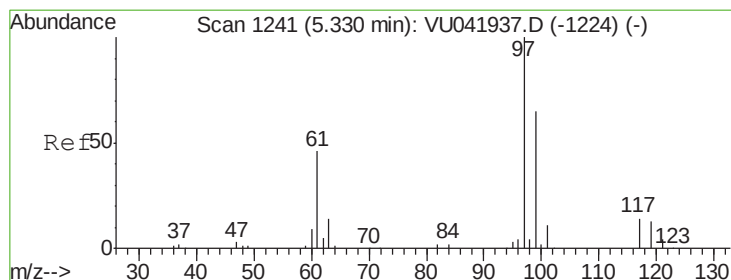
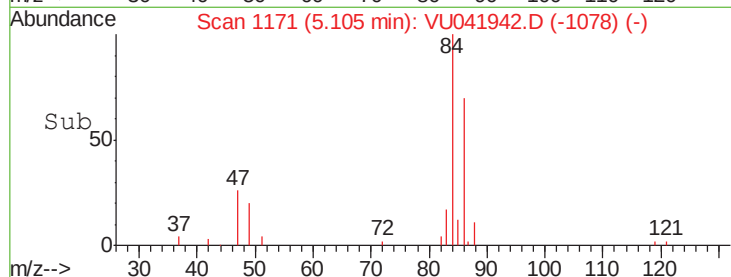
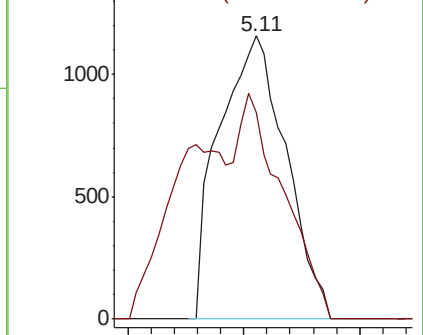
83 100

85 72.8 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#29

1,1,1-Trichloroethane

Concen: 0.172 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

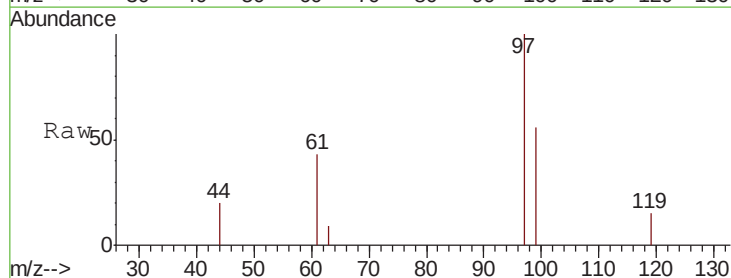
Tgt Ion: 97 Resp: 2377

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

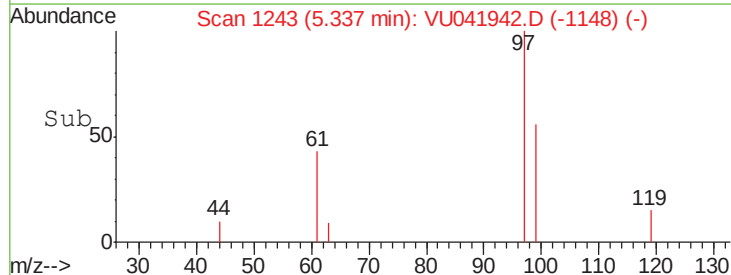
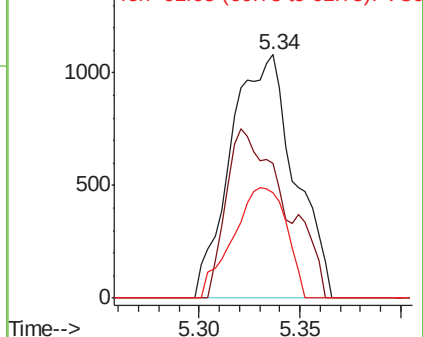
61 38.4 35.3 52.9

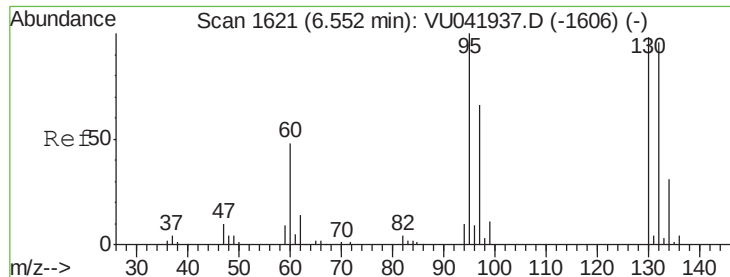


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 5.457 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

BFXM1

Tot Ion: 95 Resp: 48833

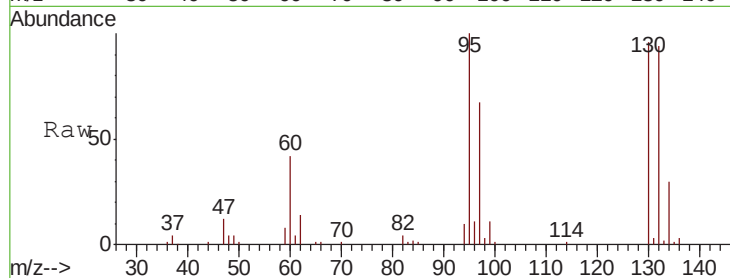
Ion Ratio Lower Upper

95 100

97 67.0 45.2 84.0

132 93.5 68.7 127.5

130 95.9 68.0 126.4

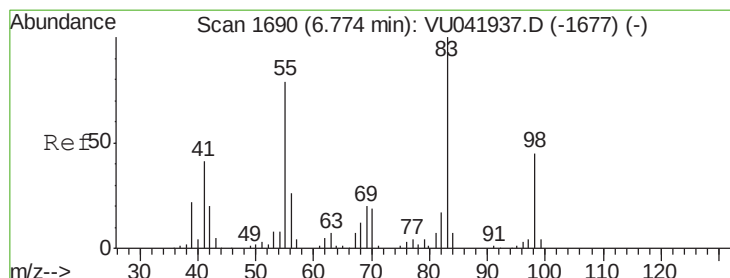
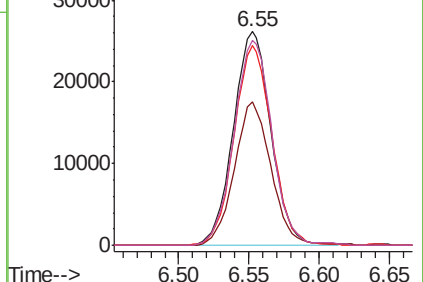
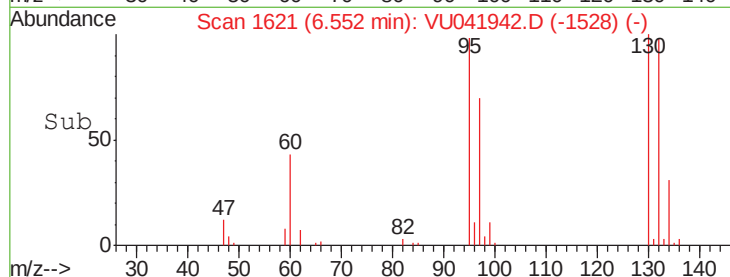


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.971 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

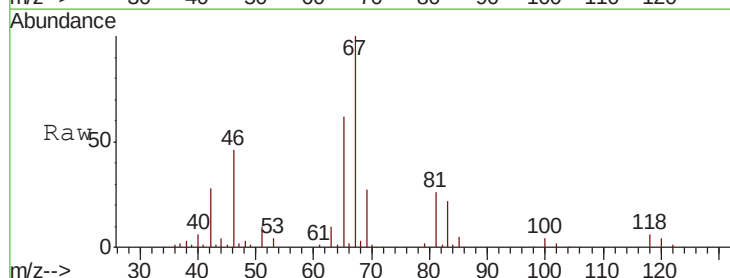
Tgt Ion: 83 Resp: 12772

Ion Ratio Lower Upper

83 100

55 0.0 64.3 96.5#

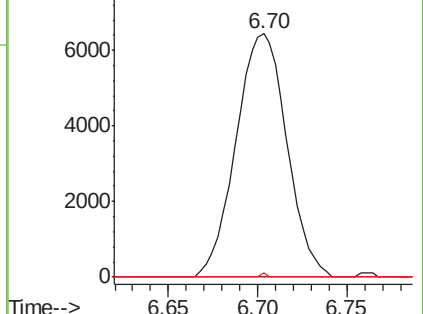
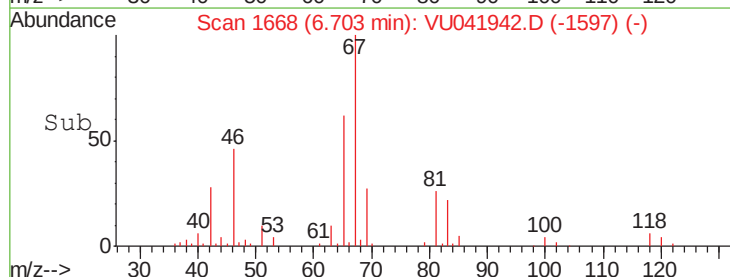
98 11.3 36.6 54.8#

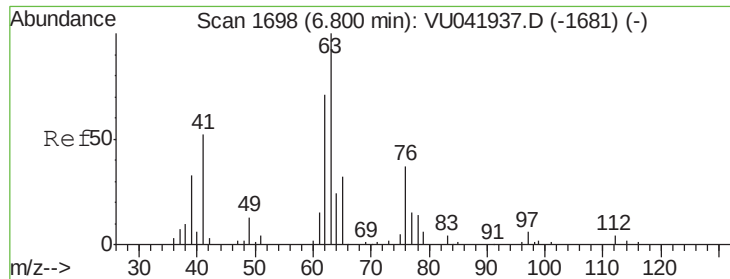


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.688 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

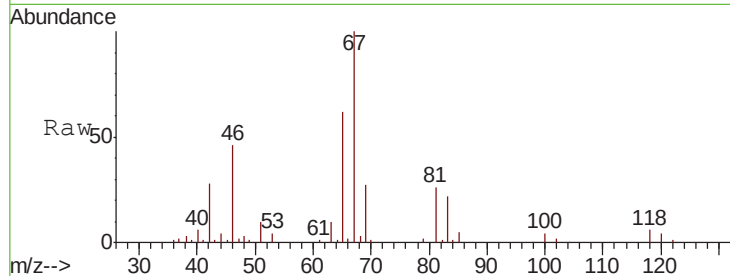
BFXM1

Tot Ion: 63 Resp: 5852

Ion Ratio Lower Upper

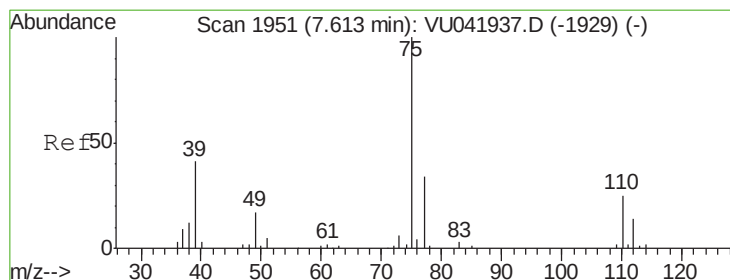
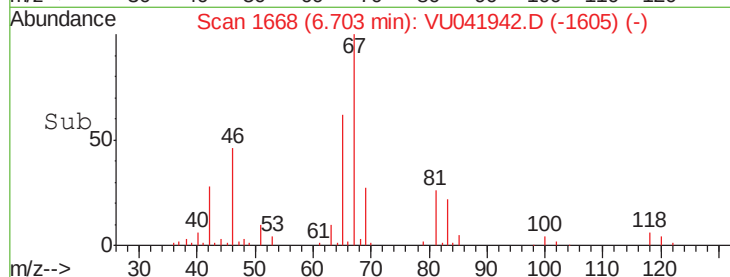
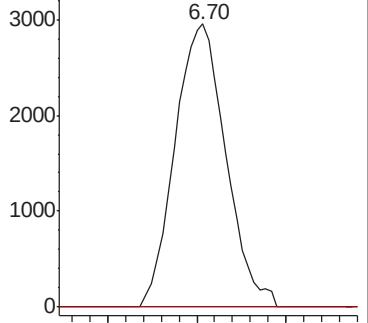
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU041937.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041937.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041942.D

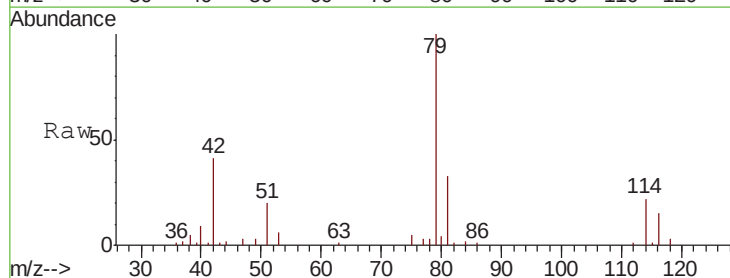
Acq: 12 Jan 2021 00:12

Tgt Ion: 75 Resp: 1181

Ion Ratio Lower Upper

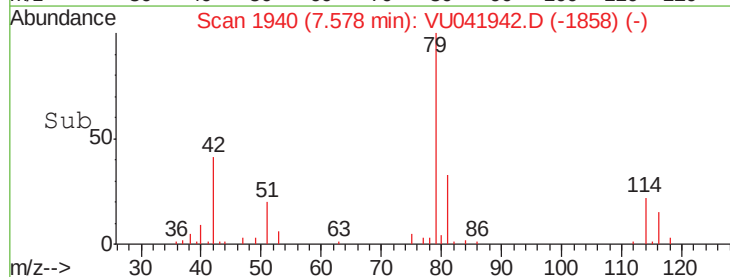
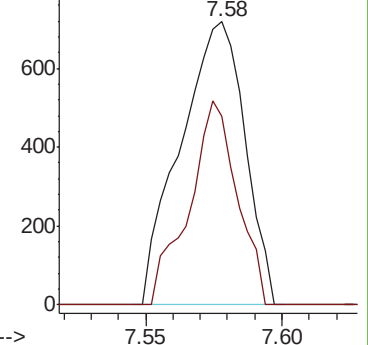
75 100

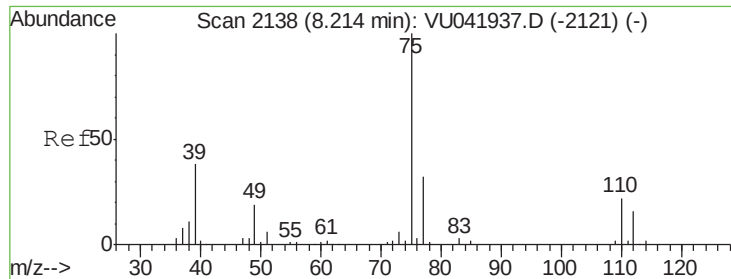
77 66.7 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU041937.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU041937.D (-1929) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

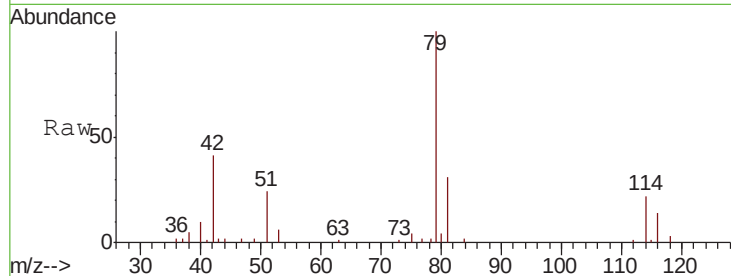
BFXM1

Tot Ion: 75 Resp: 798

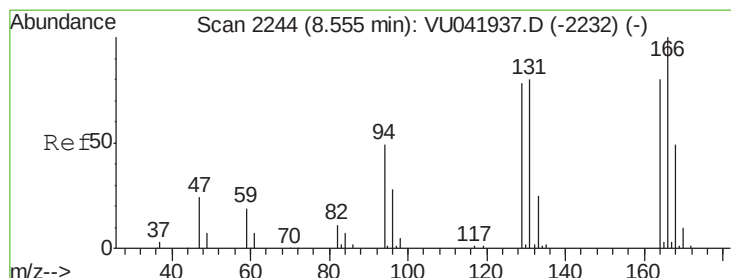
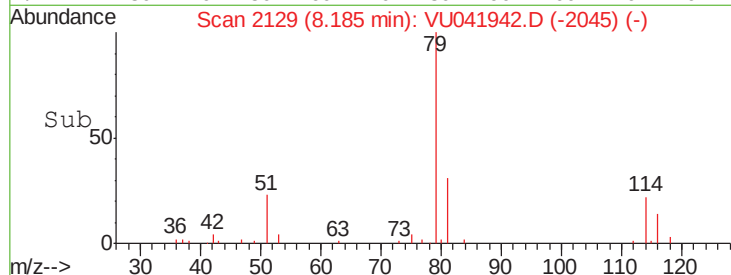
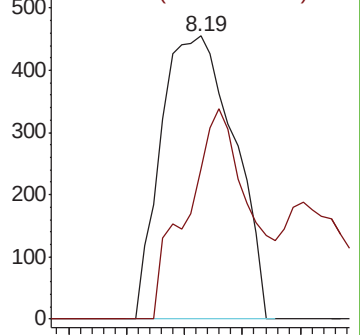
Ion Ratio Lower Upper

75 100

77 53.0 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU041937.D (-2121) (-)



#47

Tetrachloroethene

Concen: 4.915 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Tgt Ion:164 Resp: 30607

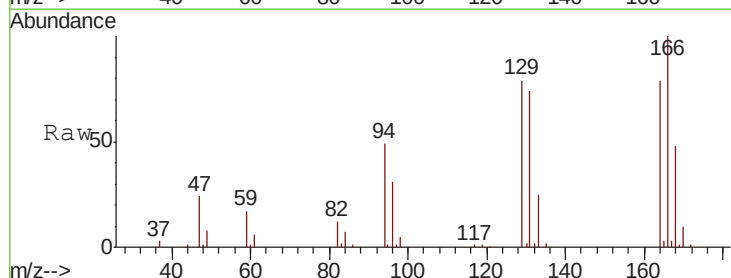
Ion Ratio Lower Upper

164 100

129 100.4 69.2 128.6

131 93.9 69.7 129.5

166 127.0 89.2 165.8

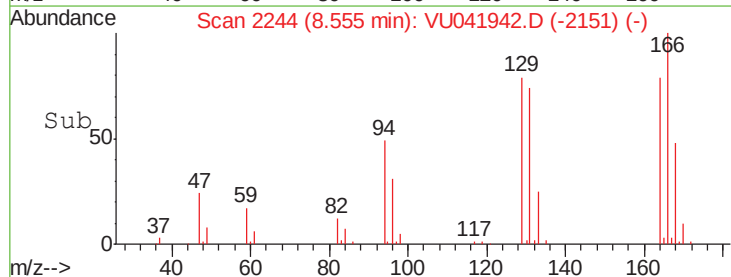
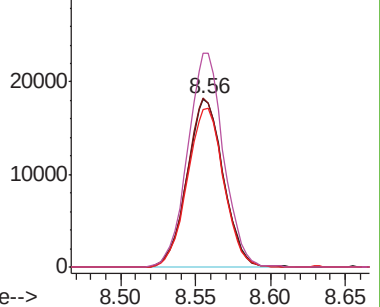


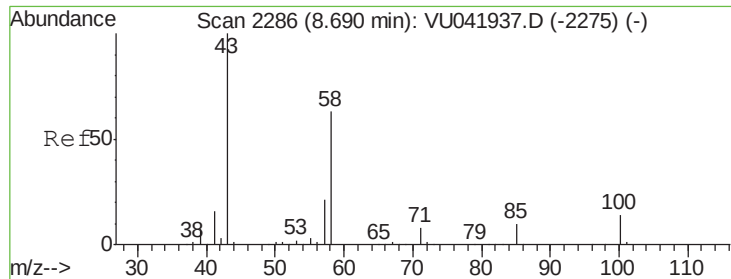
Abundance Ion 163.90 (163.60 to 164.60): VU041937.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU041937.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU041937.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU041937.D (-2232) (-)





#48

2-Hexanone

Concen: 3.284 ug/L

RT: 8.64 min Scan# 2270

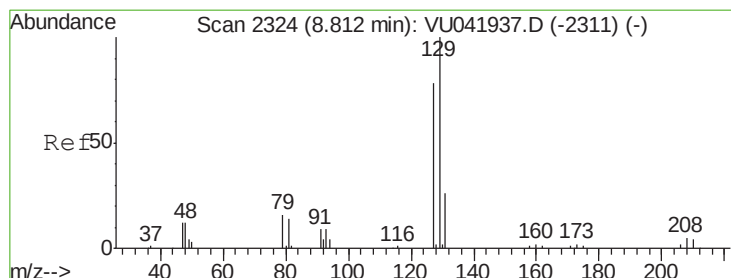
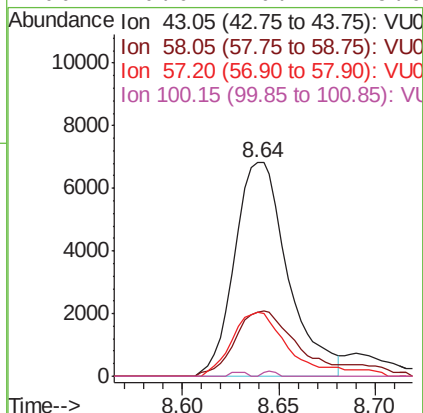
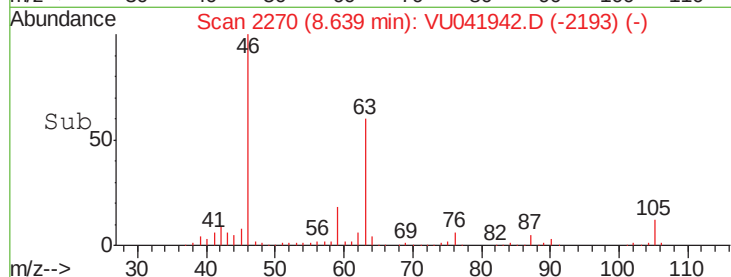
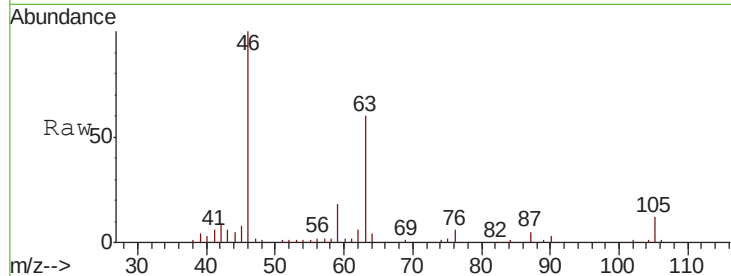
Delta R.T. -0.05 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Instrument :
MSVOA_U
ClientSampleId :
BFXM1

Tot Ion:	43	Resp:	13068
Ion	Ratio	Lower	Upper
43	100		
58	34.7	47.6	71.4#
57	31.4	17.1	25.7#
100	0.6	10.4	15.6#



#49

Dibromochloromethane

Concen: 3.840 ug/L

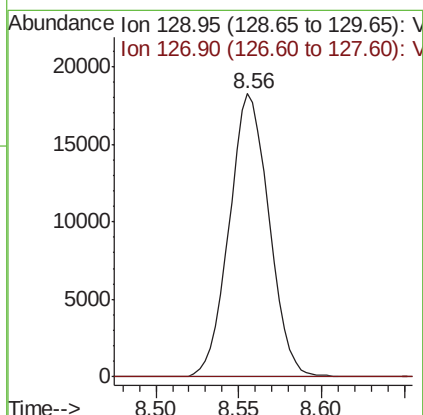
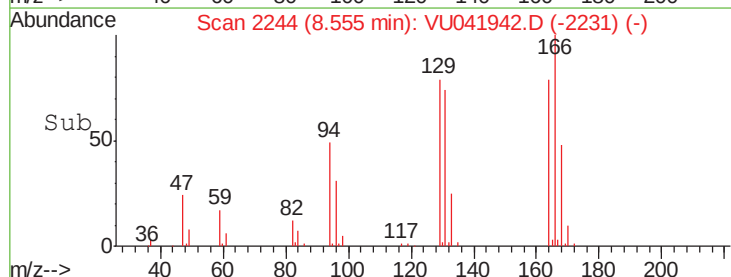
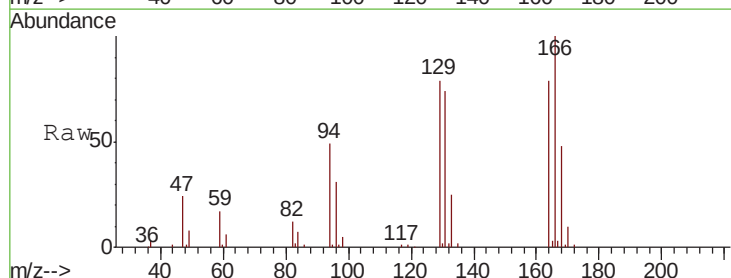
RT: 8.56 min Scan# 2244

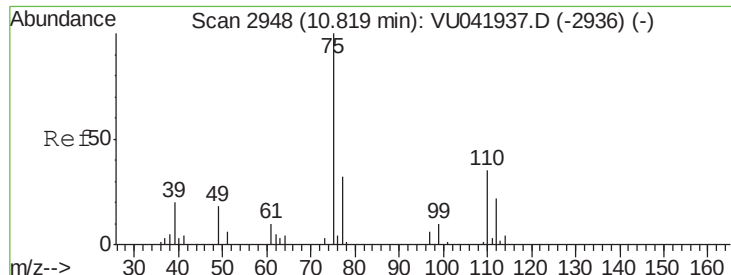
Delta R.T. -0.26 min

Lab File: VU041942.D

Acq: 12 Jan 2021 00:12

Tgt Ion:	129	Resp:	30462
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	101.9#





#59
 1,2,3-Trichloropropane
 Concen: 0.775 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.99 min
 Lab File: VU041942.D
 Acq: 12 Jan 2021 00:12

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXM1

Tot Ion: 75 Resp: 4814
 Ion Ratio Lower Upper
 75 100
 77 34.7 27.0 40.4

